

FIG. 1



204

204

202 Index C1 C2 RID A 1 000201

2 000202

3 000203

Data Table

RID C1 C2 C3 C4 Locks
000201 A 1 46 ABC
000202 A 2 54 LMN
000203 B 3 23 QWP

000204

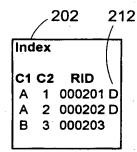
Lock Table

RID Lock Attributes Transaction

FIG. 2(A) (PRIOR ART)

200

200



Data Table

RID C1 C2 C3 C4 Locks
000201 A 1 46 ABC X
000202 A 2 54 LMN X
000203 B 3 23 QWP
000204

RID Lock Attributes Transaction
000201 X Delete C1=A
000202 X Delete C1=A

FIG. 2(B) (PRIOR ART)

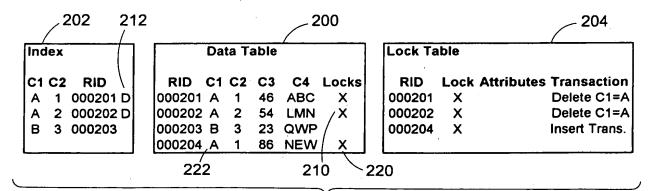
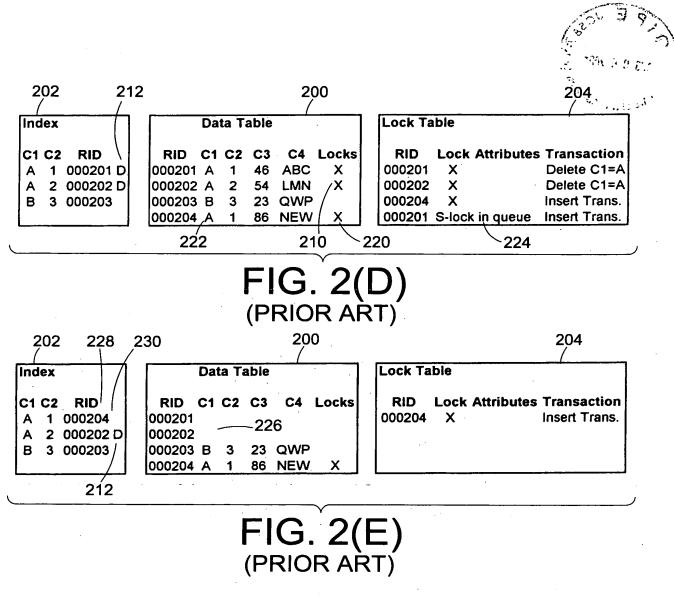


FIG. 2(C) (PRIOR ART)



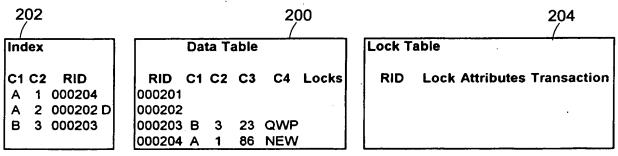


FIG. 2(F) (PRIOR ART)

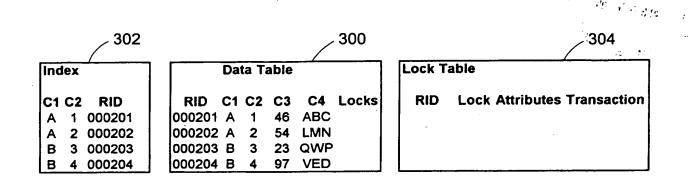


FIG. 3(A) (PRIOR ART)

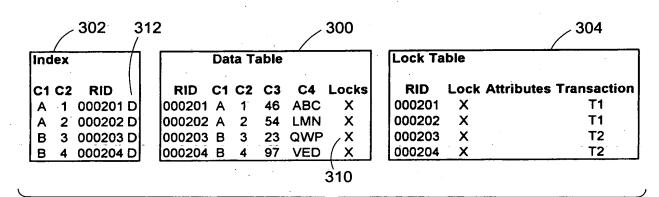


FIG. 3(B) (PRIOR ART)

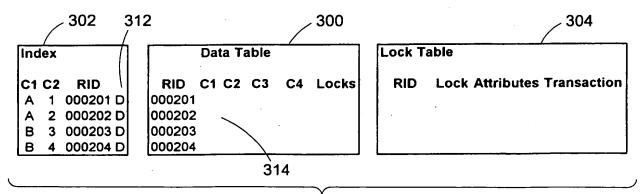


FIG. 3(C) (PRIOR ART)

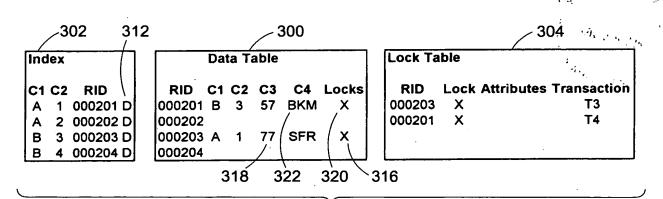


FIG. 3(D) (PRIOR ART)

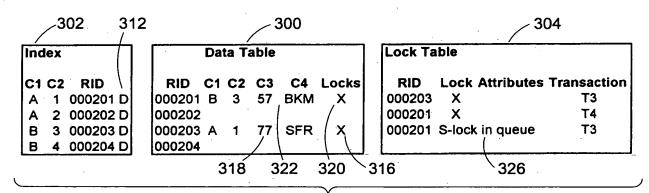


FIG. 3(E) (PRIOR ART)

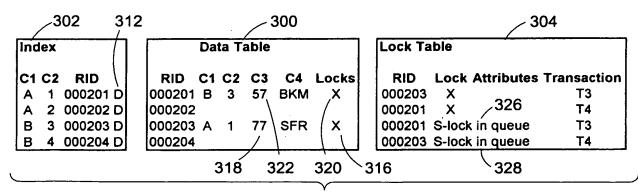


FIG. 3(F) (PRIOR ART)

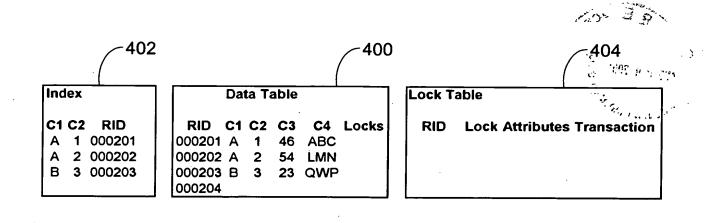


FIG. 4(A)

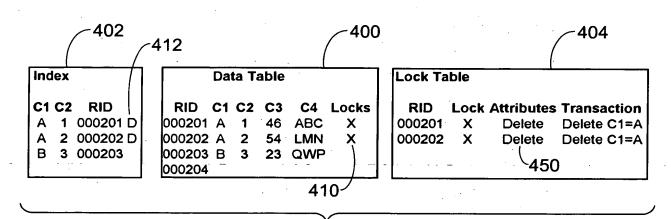


FIG. 4(B)

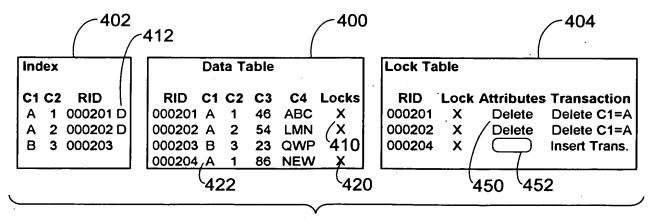


FIG. 4(C)

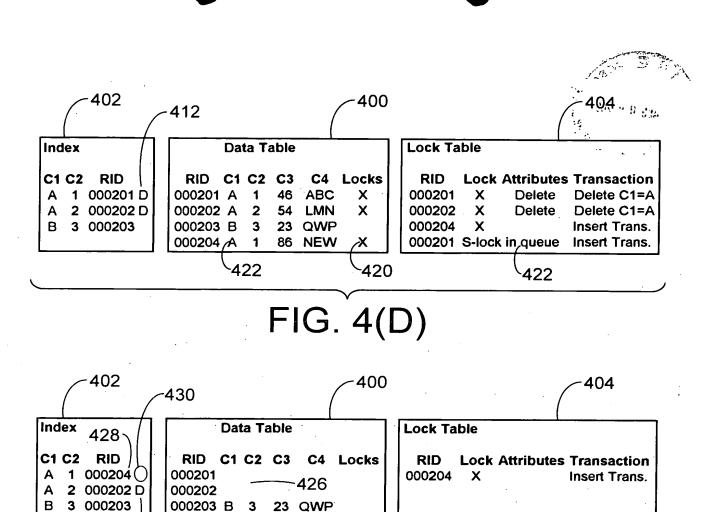


FIG. 4(E)

86 **NEW**

000204 A

412

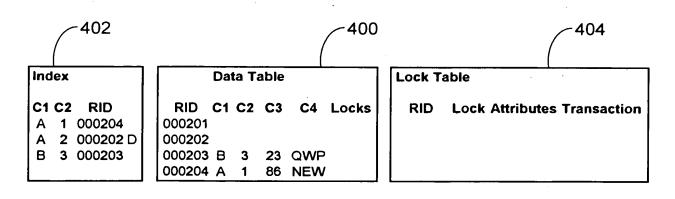


FIG. 4(F)

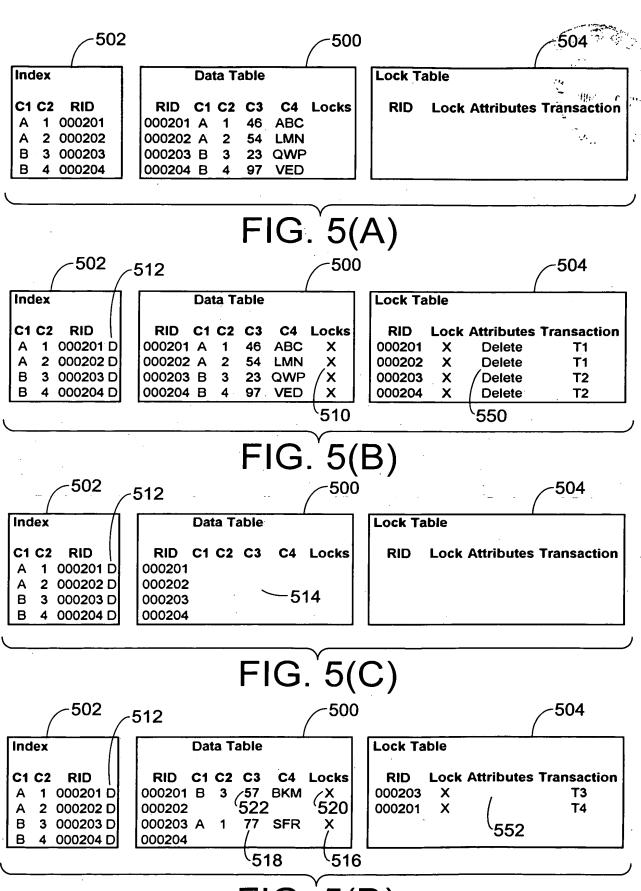


FIG. 5(D)

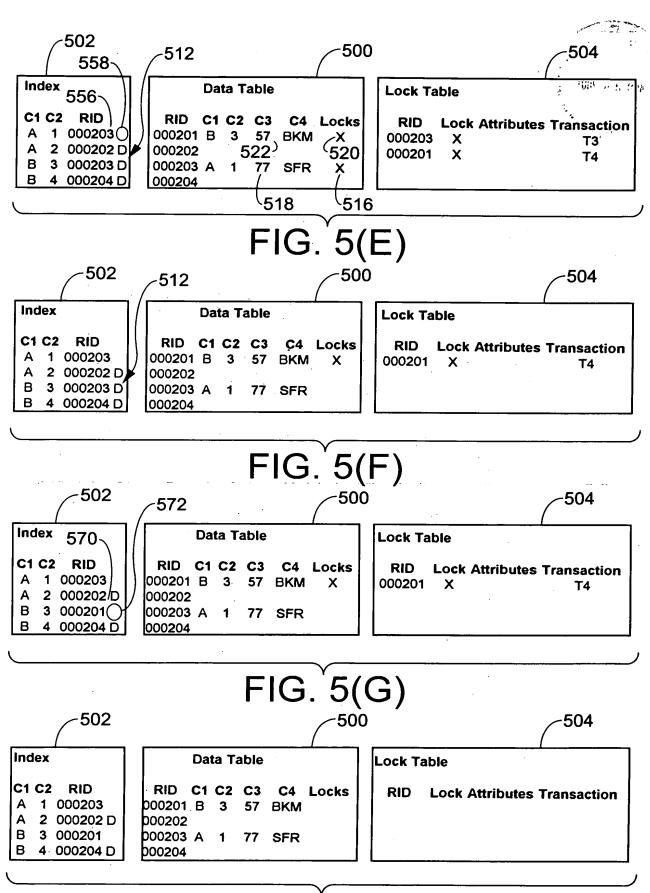


FIG. 5(H)

